Instruction Manual

HITACHI
Inspire the Next

Model name
HDC-881E

8.0 Mega Pixel High Resolution
16MB internal memory
1/2.5" CMOS sensor
2.8" LTPS LCD

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Notice

If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc.) again.

READ THIS FIRST

Trademark Information

- Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.
- Pentium® is a registered trademark of Intel Corporation.
- Macintosh is a trademark of Apple Inc.
- SD™ is a trademark.
- Other names and products may be trademarks or registered trademarks of their respective owners.

Product Information

- Product design and specifications are subject to change without notice. This includes primary product specifications, software, software drivers, and user's manual. This User Manual is a general reference guide for the product.
- The product and accessories that come with your camera may be different from those described in this manual. This is due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as batteries, chargers, AC adapters, memory cards, cables, pouches, and language support. Occasionally a retailer will specify a unique product color, appearance, and internal memory capacity. Contact your dealer for precise product definition and included accessories.
- The illustrations in this manual are for the purpose of explanation and may differ from the actual design of your camera.
- The manufacturer assumes no liability for any errors or discrepancies in this user manual.

SAFETY INSTRUCTIONS

Read and understand all ***Warnings*** and ***Cautions*** before using this product.

Warnings

If foreign objects or water have entered the camera, turn the power off and remove the battery.
Continued use might cause fire or electric shock. Consult the store of purchase.

If the camera has fallen or its case has been damaged, turn the power off and remove the battery.
Continued use might cause fire or electric shock. Consult the store of purchase.

Do not disassemble, change or repair the camera.
This might cause fire or electric shock. For repair or internal inspection, ask the store of purchase.

Use the supplied AC adapter only with the indicated power supply voltage.
Use with any other power supply voltage might cause fire or electric shock.

Do not use the camera in areas near water.
This might cause fire or electric shock. Take special care during rain, snow, on the beach, or near the shore.

Do not place the camera on inclined or unstable surfaces.
This might cause the camera to fall or tilt over, causing damage.

Keep the battery out of the reach of children.
Swallowing the battery might cause poisoning. If the battery is accidentally swallowed, immediately consult a physician.

Do not use the camera while you are walking, driving or riding a motorcycle.
This might cause you to fall over or result in traffic accident.

Cautions

Insert the battery paying careful attention to the polarity (+ or –) of the terminals.
Inserting the battery with its polarities inverted might cause fire and injury, or damage to the surrounding areas due to the battery rupturing or leaking.

Do not fire the flash close to anyone's eyes.
This might cause damage to the person's eyesight.

Do not subject the LCD monitor to impact.
This might damage the glass on the screen or cause the internal fluid to leak. If the internal fluid enters your eyes or comes into contact with your body or clothes, rinse with fresh water. If the internal fluid has entered your eyes, consult a physician to receive treatment.

A camera is a precision instrument. Do not drop it, strike it or use excessive force when handling the camera.
This might cause damage to the camera.

Do not use the camera in humid, steamy, smoky, or dusty places.
This might cause fire or electric shock.

Do not remove the battery immediately after long period of continuous use.
The battery becomes hot during use. Touching a hot battery might cause burns.

Do not wrap the camera or place it in cloth or blankets.
This might cause heat to build up and deform the case, resulting in fire. Use the camera in a well-ventilated place.

Do not leave the camera in places where the temperature may rise significantly, such as inside a car.
This might adversely affect the case or the parts inside, resulting in fire.

Before you move the camera, disconnect cords and cables.
Failure to do this might damage cords and cables, resulting in fire and electric shock.

Notes on Battery Usage

When you use the battery, carefully read and strictly observe the ***Safety Instructions*** and the notes described below:

- Use only the specified battery (3.7V).
- Avoid extremely cold environments as low temperatures can shorten the battery life and reduce camera performance.
- When you are using a new rechargeable battery or a rechargeable battery that has not been used for an extended period of time (the battery that passed the expiry date is an exception), it may affect the number of images that can be captured. Therefore, to maximize its performance and lifetime, we recommend that you fully charge the battery and discharge it for at least one complete cycle before use.
- The battery may feel warm after a long period of continuous use of the camera or the flash. This is normal and not a malfunction.
- The camera may feel warm after a long period of continuous use. This is normal and not a malfunction.
- If the battery is not to be used for a long period of time, remove it from the camera to prevent leakage or corrosion and store it after no battery power is left. Stored for a long time in a fully charged condition, its performance may be impaired.
- Always keep the battery terminals clean.
- There is a risk of explosion if the battery is replaced by an incorrect type.
- Dispose of used battery according to the recycle instructions.
- Charge the rechargeable battery fully before using for the first time.
- To prevent short-circuiting or fire, keep the battery away from other metal objects when carrying or storing.

CONTENTS

7 INTRODUCTION
7 Overview
7 Package Contents

8 GETTING TO KNOW YOUR CAMERA
8 Front View
9 Rear View
10 LCD Monitor Display

12 GETTING STARTED
12 Preparation
13 Turning the Power On/Off
13 LED Indicators
14 Choosing the Language
14 Formatting the Memory Card or Internal Memory
15 Setting the Date and Time

16 CAPTURE MODE
16 Capturing Images
16 Using the Zoom Function
17 Setting Focus
18 Setting the Scene Mode
19 Adjusting the Exposure (EV Compensation)

20 VIDEO MODE
20 Recording Video Clips
21 Playing Back Video Clips

22 PLAYBACK MODE
22 Playing Back Still Images
22 Removing Red-eye
23 Thumbnail Display
23 Slideshow Display
24 Protecting Images
25 DPOF Settings
26 Erasing Images

27 MENU OPTIONS
27 Capture Menu
29 Video Menu
30 Playback Menu
31 Setup Menu

33 TRANSFERRING FILES TO YOUR COMPUTER
33 Downloading Your Files

34 EDITING SOFTWARE INSTALLATION

35 USING THE CAMERA AS A PC CAMERA
35 Install the PC camera driver

36 SPECIFICATIONS

37 APPENDIX
37 Possible Number of Shots
38 Troubleshooting
39 Connecting to a PictBridge Compliant Printer

INTRODUCTION

Overview

Congratulations on your purchase of the new digital camera.
Capturing high-quality digital images is fast and easy with this state-of-the-art smart camera. Equipped with a 8.0-megapixel sensor, this camera is capable of capturing images with a resolution of up to 3264 x 2448 pixels.

Package Contents

Carefully unpack your camera and ensure that you have the following items:

Common Product Components:

- Digital Camera
- User's manual
- Software CD-ROM
- USB cable
- Camera strap
- Camera pouch
- Lithium-ion rechargeable battery
- Battery charger
- AC adapter for battery charger

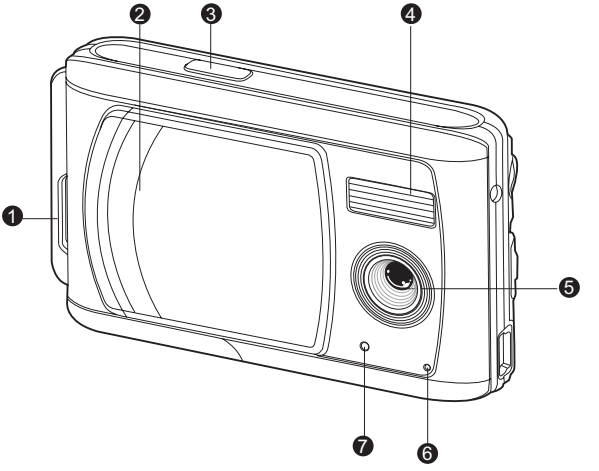
Common (Optional) Accessories:

- SD/SDHC memory card

- Accessories and components may vary by retailer.

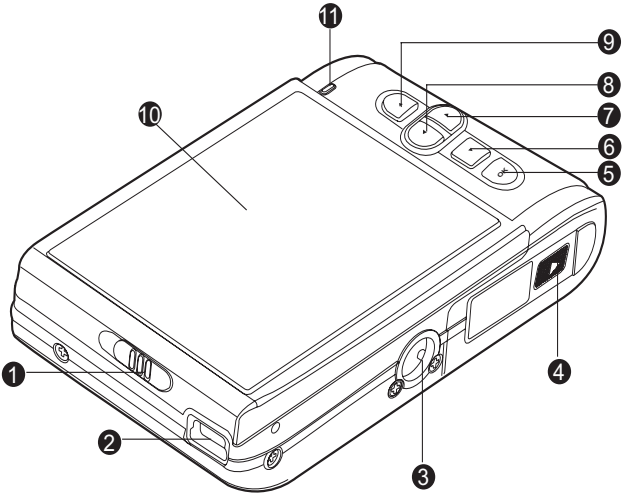
GETTING TO KNOW YOUR CAMERA

Front View



1. Strap holder
2. Lens cover
3. Shutter button
4. Flash
5. Lens
6. Microphone
7. Self-timer LED

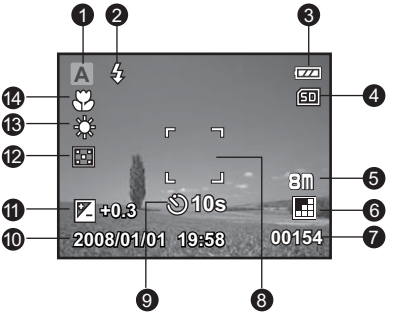
Rear View



1. Focus switch
   - Normal mode
   - Macro mode
2. USB connector
3. Tripod socket
4. Battery / memory card cover
5. **OK** OK button
   - Digital Zoom button
6. ▼ Down button
   MODE Mode button
7. ▶ Right button
   - Flash button
8. ◀ Left button
   - Self-timer button
9. ▲ Up button
   MENU Menu button
10. LCD monitor
11. Status LED

LCD Monitor Display

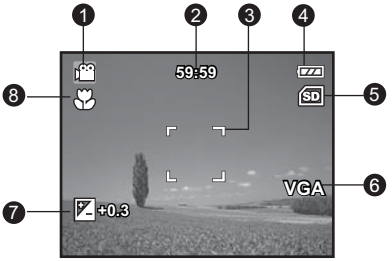
Capture mode



1. Mode indication
   - [A] Auto Mode
   - [ ] Sport Mode
   - [ ] Night Mode
   - [ ] Portrait Mode
   - [ ] Landscape Mode
   - [ ] Backlight Mode
2. Flash mode
   - [ ] Auto Flash
   - [ ] Forced Flash
   - [ ] Red-eye reduction
   - [ ] Flash Off
3. Battery condition
   - [ ] Full battery power
   - [ ] Medium battery power
   - [ ] Low battery power
   - [ ] No battery power
4. Storage media
   - [INT] Internal memory (no card)
   - [SD] SD/SDHC memory card
5. Image size resolution
   - [**8M**]3264 x 2448
   - [**5M**]2560 x 1920
   - [**2M**]1600 x 1200
   - [**VGA**]640 x 480
6. Image quality
   - [ ] Fine
   - [ ] Normal
   - [ ] Economy
7. Available number of shots
8. Main focus area
9. Self-timer icon
   - [**10s**] 10 sec.
   - [**2s**] 2 sec.
10. Date and time
11. [ ] Exposure compensation
12. Metering
    - [ ] Average
    - [ ] Spot
13. W.Balance
    - [**Blank**] Auto
    - [ ] Daylight
    - [ ] Cloudy
    - [ ] Incandescent
    - [1] Fluorescent1
    - [2] Fluorescent2
14. Focus setting
    - [**Blank**] Normal
    - [ ] Macro

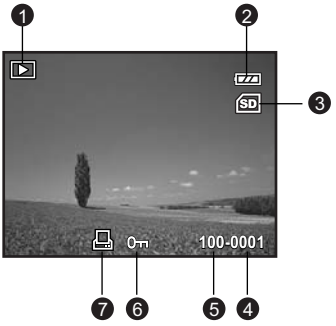
Video mode [🎥]

1. Mode icon
2. Available recording time
3. Main focus area
4. Battery condition
5. Storage media
6. Video resolution
7. Exposure compensation
8. Focus setting



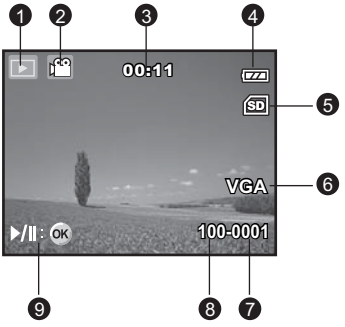
Playback mode [▶] - Still image playback

1. Play mode
2. Battery condition
3. Storage media
4. File number
5. Folder number
6. Protect icon
7. DPOF icon



Playback mode [▶] - Video playback

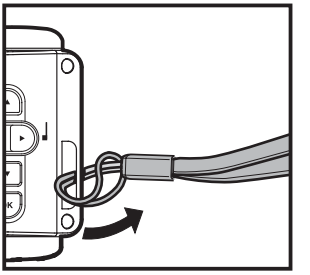
1. Play mode
2. Mode icon
3. Total recorded time
4. Battery condition
5. Storage media
6. Video resolution
7. File number
8. Folder number
9. Playback indicator

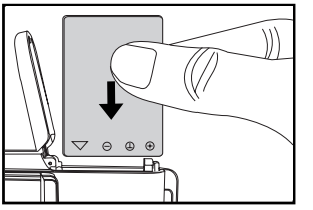


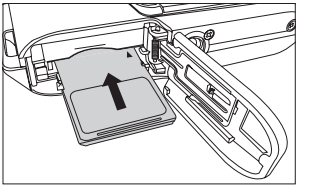
GETTING STARTED

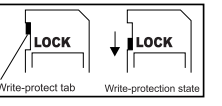
Preparation

1. Attach the camera strap.
2. Open the battery/memory card cover.
3. Load the batteries with correct orientation as shown.
4. Insert an SD/SDHC memory card (Optional).
   - The camera has 16MB internal memory (14MB available for image storage), but you can load an SD/SDHC memory card (SDHC memory card up to 4GB) to expand the camera's memory capacity.
   - Be sure to format the memory card with this camera before its initial usage.
5. Close the battery/memory card cover and make sure it is locked securely.







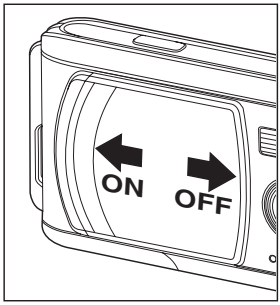


- To prevent valuable data from being accidentally erased from an SD/SDHC memory card, you can slide the write protect tab (on the side of the SD/SDHC memory card) to "LOCK".
- To save, edit, or erase data on an SD/SDHC memory card, you must unlock the card.
- To prevent damaging of an SD/SDHC memory card, be sure to turn off the power when inserting or removing the SD/SDHC memory card. If inserting or removing the SD/SDHC memory card with the power on, the camera will automatically turn off.
- Be careful not to drop the batteries when opening or closing the battery cover.

Turning the Power On/Off

Load the batteries and insert an SD/SDHC memory card before starting.

- To turn the camera on, slide the lens cover open until it clicks, uncovering the lens.
- To turn the camera off, slide the lens cover closed until it clicks, covering the lens.



- The power is turned off automatically when the camera has not been operated for a fixed period of time. To resume the operation condition, turn the power on again. Refer to section in this manual titled “Auto Off” in the Setup Menu for further details.

LED Indicators

Indicators	State	Description/Activity
LED indicator	Solid green	The digital camera is powering up.
LED indicator	Solid green	The digital camera is ready to record images (or movies).
LED indicator	Blinking red	Reading/Writing files.
LED indicator	Blinking red	Charging the flash.
Self-timer indicator	Blinking red	The self-timer function is activated.

Choosing the Language

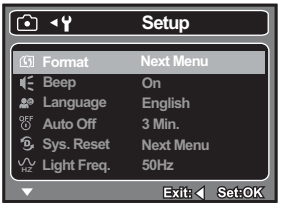
Specify in which language menus and messages are to be displayed on the LCD monitor.

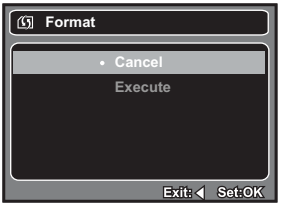
1. Press the ▲ / **MENU** button.
2. Select [Setup] menu with the ▶ button.
3. Select [Language] with the ▲ / ▼ buttons, and press the **OK** button.
   - The Language setting screen will be displayed.
4. Select the displayed language with the ▲ / ▼ buttons, and press the **OK** button.
   - The setting will be stored.

Formatting the Memory Card or Internal Memory

This utility formats the internal memory (or memory card) and erases all stored images and data.

1. Press the ▲ / **MENU** button.
2. Select [Setup] menu with the ▶ button.
3. Select [Format] with the ▲ / ▼ buttons, and press the **OK** button.
4. Select [Execute] with the ▲ / ▼ buttons, and press the **OK** button.
   - To cancel formatting, select [Cancel] and press the **OK** button.

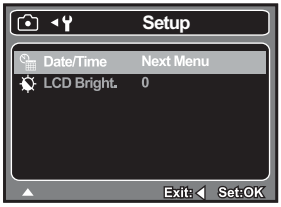




Setting the Date and Time

Follow the steps below to set the date display style, current date and time.

1. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode is displayed.
2. Press the ▲ / **MENU** button to enter [Setup] in any mode.
3. Select [Date/Time] with the ▲ / ▼ buttons, then press the **OK** button.
   - The Date/Time setting screen will be displayed.
4. Select the item's field with the ◄ / ► buttons and adjust the value for the date and time with the ▲ / ▼ buttons.
   - The date and time is set in the order year-month-day-hour-minute.
   - The time is displayed in 24-hours format.
5. After confirming all settings are correct, press the **OK** button.



CAPTURE MODE

Capturing Images

Your camera is equipped with a 2.8" LTPS LCD monitor to help you compose images, playback recorded images/video clips or adjust menu settings.

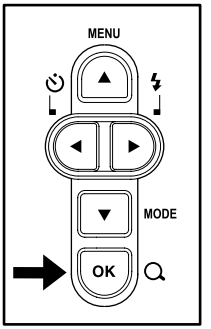
1. Slide the lens cover open until it clicks to turn on the camera.
2. Compose the image on the monitor screen so that the main subject is within the focus frame.
3. Press the shutter button to capture the image.

Using the Zoom Function

This camera is equipped with 4x digital zoom. You can enlarge the subjects by pressing the **OK** / 🔍 button. A useful feature as it is, however, the more the image is magnified, the grainer the image may become.

To capture a zoomed image, perform the following steps:

1. Slide the lens cover open until it clicks to turn on the camera.
2. To activate the digital zoom, press the **OK** / 🔍 button.
   - The status of digital magnification is displayed on the LCD monitor.
3. Compose your scene and press the shutter button to capture the image.

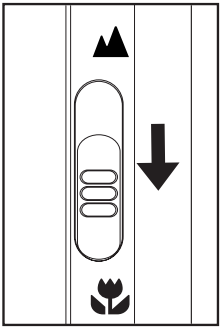


- The digital magnification ranges from 1.0x to 4.0x.
- As you record video clips, the zoom function cannot be activated.

Setting Focus

Images can be captured by sliding the focus switch to set the focus modes: [ ] macro or [ ] normal mode.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Slide the focus switch to your desired focus mode.
3. Compose your scene and press the shutter button.



The table below will help you choose the appropriate focus mode:

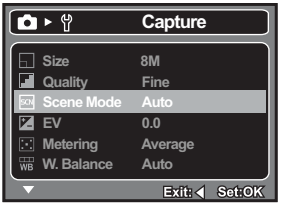
Focus mode	Description
Normal	This mode is suitable for scenery and portrait shooting.
Macro	Select macro to capture close-up images. When the lens is zoomed to its widest position you may focus objects as close as 60 cm.

Setting the Scene Mode

You can select the scene mode according to the shooting scene. There are 6 available modes in this scene mode.

[A] Auto: Select this mode to adjust point-and-shoot action.
[ ] Sport: Select this mode when you want to photograph fast-moving subjects.
[ ] Night: Select this mode when you want to capture dark scenes such as night views.
[ ] Portrait: Select this mode when you want to capture an image that makes the person stand out against a defocused (blurred) background.
[ ] Landscape: Select this mode to capture an image with infinity focus, hard sharpness and high saturation.
[ ] Backlight: Select this mode when you want to capture images as the light comes from behind the object.

1. Press the ▲ / **MENU** button.
   - The [Capture] menu is displayed.
2. Select [Scene Mode] with the ▲ / ▼ buttons, then press the **OK** button.
3. Select the desired scene mode with the ▲ / ▼ buttons, then press the **OK** button.
4. To exit from the menu, press the ◄ button.

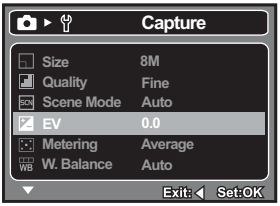


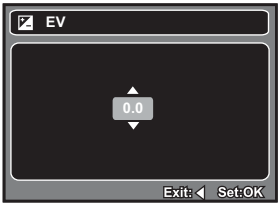
Ex.: In Camera Mode

Adjusting the Exposure (EV Compensation)

You can manually adjust the exposure determined by the digital camera. Use this mode when the proper exposure cannot be obtained, for example, when the contrast (different between light and dark) between the subject and the background is extremely large. The EV compensation value can be set in the range from -2.0EV to +2.0EV.

1. Press the ▲ / **MENU** button.
   - The [Capture] or [Video] menu is displayed.
2. Select [EV] with the ▲ / ▼ buttons, then press the **OK** button.
3. Use ▲ or ▼ to set the range of EV compensation value from -2.0EV to +2.0EV, then press the **OK** button.
4. To exit from the menu, press the ◄ button.





Effective Subjects and Set Values

+(positive) compensation	-(negative) compensation	Backlight correction (+0.3 EV, fixed)
* Printed matter with black text on whitish paper. * Backlighting. * Bright scenes or strong reflected light such as ski slopes. * When the sky accounts for a large area on the screen.	* People illuminated by a spotlight, in particular, against dark background. * Printed matter with white text on blackish paper. * Weak reflecting bodies such as evergreen trees or darkish leaves	* When the background is bright and the subject is dark. * When subjects (people) have a light source such as the sun to their backs.

VIDEO MODE

Recording Video Clips

This mode allows you to record video clips at a resolution of VGA (640 x 480) / QVGA (320 x 240) pixels.

1. Press the ▼ / **MODE** button to set the camera mode to [🎥].
2. Compose the image.
3. Press the shutter button.
   - The recording of the video clip will start.
   - Pressing the shutter button one more time will end the recording of the video clip.
   - The recording time depends on the storage size and the subject of the image to be recorded.

- When recording a video clip, the flash cannot be used.
- If the write speed of your SD/SDHC memory card is not fast enough for recording video clips in the currently selected size, the video recording will stop. In this case, select a video size lower than the current one.
- The maximum recordable time for one continuous video clip is 00:59:59.

Playing Back Video Clips

You can play back recorded video clips on the camera.

1. Press the ▼ / **MODE** button twice to enter [▶] Playback mode.
   - The last image appears on the screen.
2. Select the desired video clip with the ◄ / ► buttons.
3. Press the **OK** button.
   - A press of the ► / ◄ buttons during playback allows fast forward play / fast reverse play.
   - To stop video playback, press the ▼ button. This stops playback and returns to the start of the video clip.
   - To pause video playback, press the **OK** button. This pauses video playback. To cancel pause, press the **OK** button again.

- Video clips cannot be displayed rotated or enlarged.
- This camera does not have a built-in speaker so that you can not play back sound with the camera. To play the video clip back on your computer, you may use either Windows Media Player or Apple “Quick Time Player”.
- QuickTime basic player is available free of charge, compatible with Mac and Windows-computers and can be downloaded from the Apple web site at www.apple.com. For help using QuickTime Player usage, please refer to the QuickTime on-line help for more information.

PLAYBACK MODE

Playing Back Still Images

You can play back the still images on the LCD monitor.

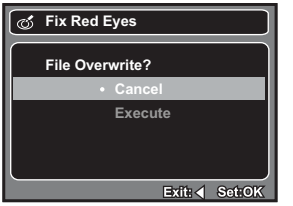
1. Slide the lens cover open until it clicks to turn on the camera.
2. Press the ▼ / **MODE** button twice to enter [▶] Playback mode.
   - The last image appears on the screen.
3. The images can be displayed in reverse or forward sequence with the ◄ / ► buttons.
   - To view the previous image, press the ◄ button.
   - To view the next image, press the ► button.
4. Press the **OK** / 🔍 button to adjust the zoom ratio. The magnification factor is displayed on the LCD monitor.
5. To view different portion of the images,press the ▲ / ▼ / ◄ / ► button to adjust the display area.

- An [🎥] icon is displayed with the video data.
- The magnification factors range from 1x to 4x (within 4 stages: 1.0x, 2.0x, 3.0x, and 4.0x).

Removing Red-eye

You can use this function to remove the red-eye effect after an image is taken.

1. Press the ▼ / **MODE** button twice to enter [▶] Playback mode.
2. Select the image that you want to edit with the ◄ / ► buttons.
3. Press the ▲ / **MENU** button.
4. Select [Fix Red Eyes] with the ▲ / ▼ buttons, and press the **OK** button.
5. Select [Execute] with the ▲ / ▼ buttons, and press the **OK** button.
   - When this process ends, this replaces the original image with the corrected image.



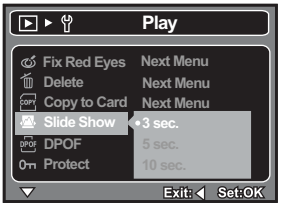
Thumbnail Display

This function allows you to view 9 thumbnail images on the LCD monitor simultaneously so you may search for a particular image.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Press the ▼ / **MODE** button twice to enter [▶] Playback mode.
   - The last recorded image appears on the LCD monitor.
3. Press the ▲ / **MENU** button.
   - The playback menu is displayed.
4. Select [Thumbnail] with the ▲ / ▼ buttons, then press the **OK** button.
   - Nine thumbnail images are displayed simultaneously.
   - For recorded video clips, the [🎥] video mode icon will be displayed.
5. Use the ▲ / ▼ / ◄ / ► button to move the cursor to select the image to be displayed at regular size.
6. Press the **OK** button to display the selected image on full screen.

Slideshow Display

The slideshow function enables you to playback your still images automatically in order one image at a time.



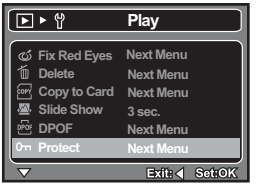
1. Press the ▼ / **MODE** button twice to enter [▶] Playback mode.
2. Press the ▲ / **MENU** button.
   - The playback menu is displayed.
3. Select [Slide Show] with the ▲ / ▼ buttons, then press the **OK** button.
4. Select the desired interval time with the ▲ / ▼ buttons, and press the **OK** button.
   - The slideshow starts.
5. To stop the slide show during playback, press the **OK** button.
   - The image is displayed on screen when you press the **OK** button.

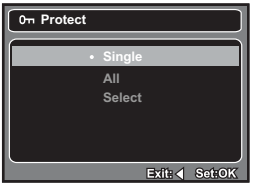
- The Auto Off function does not operate during slide show.
- All still images in the folder are automatically played back.
- Video files are displayed first frame image, and they are not played back.

Protecting Images

Set the data to read-only to prevent images from being erased by mistake.

1. Press the ▼ / **MODE** button twice to enter [▶] Playback mode.
2. Select the image that you want to protect with the ◄ / ► buttons.
3. Press the ▲ / **MENU** button.
4. Select [Protect] with the ▲ / ▼ buttons, and press the **OK** button.
5. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **OK** button.
6. Select [Lock] with the ▲ / ▼ buttons, and press the **OK** button.
   - The protect icon [🔑] is displayed with protected images.
   - When [All] has been selected, [🔑] is displayed with all the images.

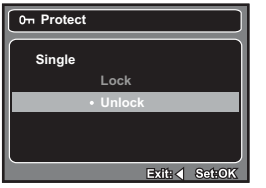




Canceling the Protection

To cancel protection for only one image, display the image on which you want to remove the image protection.

1. Select [Protect] with the ▲ / ▼ buttons from the playback menu, and press the **OK** button.
2. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **OK** button.
3. Select [Unlock] with the ▲ / ▼ buttons, and press the **OK** button.



Protecting multiple images simultaneously

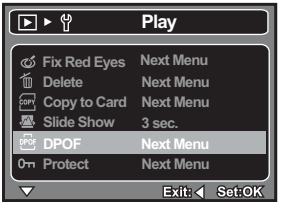
1. Select [Protect] with the ▲ / ▼ buttons from the playback menu, and press the **OK** button.
2. Select [Select] with the ▲ / ▼ buttons, and press the **OK** button.
   - The images are displayed in the thumbnail display.
3. Select the image you want to protect with the ◄ / ► buttons, and press the ▼ button.
   - The protect icon [🔑] is displayed with protected images. Selecting a protected image and pressing the ▼ button again will cancel the protection. This procedure is repeated to select multiple images.
4. Press the **OK** button.
5. Select [Execute] with the ▲ / ▼ buttons, and press the **OK** button.

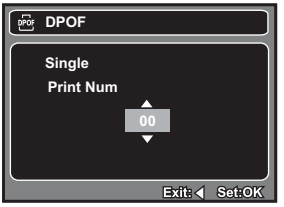
- Formatting an SD/SDHC memory card or internal memory overrides protection, and erases all images regardless of their protected status.

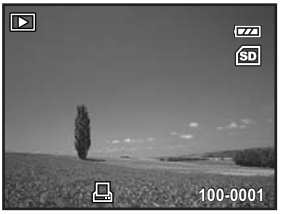
DPOF Settings

DPOF is the abbreviation for Digital Print Order Format, which allows you to embed printing information on your memory card. You can select the images to be printed and how many prints to make with the DPOF menu in the camera and insert the memory card to the card compatible printer. When the printer starts printing, it will read the embedded information on the memory card and print the specified images.

1. Press the ▼ / **MODE** button twice to enter [▶] Playback mode.
2. Select the image that you want to set DPOF with the ◄ / ► buttons.
3. Press the ▲ /**MENU** button.
4. Select [DPOF] with the ▲ / ▼ buttons, and press the **OK** button.
   - The DPOF setting screen is displayed.
5. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **OK** button.
   - [Single]: Sets DPOF for each individual image.
   - [All]: Sets DPOF for all images at once.
6. Select [Print Num] with the ▲ / ▼ buttons, and press the **OK** button.
   - This displays the number of prints setting screen.
7. Set the number of prints with the ▲ / ▼ buttons, and press the **OK** button.
   - You can set up to 99 prints for each image.
   - This creates a file containing the DPOF information, and when the operation is finished, the screen returns to the playback mode.
   - The DPOF icon [🖶] is displayed on each image that has set up DPOF settings.



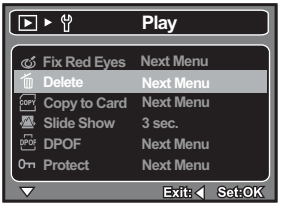




Erasing Images

Erasing single image / Erasing all images

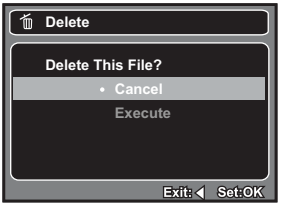
1. Press the ▼ / **MODE** button twice to enter [▶] Playback mode.
   - The last image will be displayed on the screen.
2. Select the image you want to erase with the ◄ / ► buttons.
3. Press the ▲ / **MENU** button.
4. Select [Delete] with the ▲ / ▼ buttons and press the **OK** button.
5. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **OK** button.
   - [Single]: Erases the selected image or the last image.
   - [All]: Erases all of the images except for the protected images.
6. Select [Execute] with the ▲ / ▼ buttons, and press the **OK** button.
   - To not erase, select [Cancel], and press the **OK** button.



Erasing selected images

This erases a number of selected images.

1. Press the ▲ / **MENU** button.
2. Select [Select] with the ▲ / ▼ buttons, and press the **OK** button.
   - The images are displayed in the thumbnail display.
3. Select the image you want to erase with the ◄ / ► buttons, and press the ▼ button.
   - The [🗑] icon will be displayed. One more press of the ▼ button will cancel the operation. Repeat this procedure and select all the images that you want to erase.
4. Press the **OK** button.
5. Select [Execute] with the ▲ / ▼ buttons, and press the **OK** button.

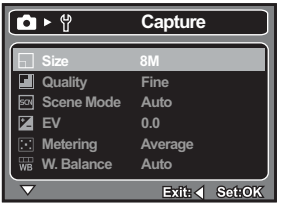


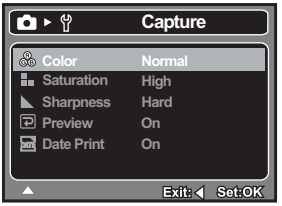
- Deleting an image will not affect sequential image numbering. For example, if you delete image number 240, the next captured image will be numbered 241 even though 240 no longer exists. In other words, an image-number is removed when an image is deleted and will not be reused or reassigned to another subsequently captured image.

MENU OPTIONS

Capture Menu

This menu is for the basic settings to be used when capturing still images.





1. Slide the lens cover open until it clicks to turn on the camera.
2. Press the ▲ / **MENU** button.
3. Select the desired option item with the ▲ / ▼ buttons, and press the **OK** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **OK** button.
5. To exit from the menu, press the ◄ button.

Size

This sets the size of the image that will be captured.

* [**8M**] 8M (3264 x 2448 pixels)
* [**5M**] 5M (2560 x 1920 pixels)
* [**2M**] 2M (1600 x 1200 pixels)
* [**VGA**] VGA (640 x 480 pixels)

Quality

This sets the quality (compression) at which the image is captured.

* [ ] Fine
* [ ] Normal
* [ ] Economy

Scene Mode

Refer to section in this manual titled “Setting the Scene Mode” for further details.

EV

Refer to section in this manual titled “Adjusting the Exposure (EV Compensation)” for further details.

Metering

This sets the metering method for calculating the exposure.

* [⁘] Average: The entire area of the screen is measured, and the exposure is calculated.
* [▪] Spot: A very small portion of the center of the screen is measured, and the exposure is calculated.

W. Balance

This sets the white balance for a variety of lighting conditions and permits images to be captured that approach the conditions that are seen by the human eye.

* [Blank] Auto
* [☀] Daylight
* [☁] Cloudy
* [💡] Incandescent
* [1] Fluorescent1
* [2] Fluorescent2

Color

This sets the color of the image that will be captured.

* Normal / Vivid / Sepia / B&W / Blue / Red / Green / Yellow / Purple

Saturation

This sets the saturation of the image that will be captured.

* High / Normal / Low

Sharpness

This sets the sharpness of the image that will be captured.

* Hard / Normal / Soft

Preview

This sets whether or not to display the captured image on the screen immediately after the image is captured.

* On / Off

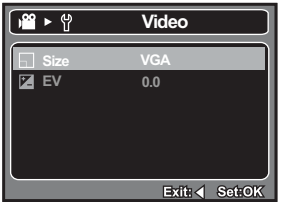
Date Print

The date of recording can be printed directly on the still images. This function must be activated before the image is captured.

* On / Off

Video Menu

This menu is for the basic settings to be used when recording video clips.



1. Press the ▼ / **MODE** button to set the camera mode to [🎥].
2. Press the ▲ / **MENU** button.
3. Select the desired option item with the ▲ / ▼ buttons, and press the **OK** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **OK** button.
5. To exit from the menu, press the ◄ button.

Size

This sets the size of the video clip that will be captured.

* [VGA] 640 x 480
* [QVGA] 320 x 240

EV

Refer to section in this manual titled “Adjusting the Exposure (EV Compensation)” for further details.

Playback Menu

In the [▶] mode, choose which settings are to be used for playback.

1. Press the ▼ / **MODE** button twice to enter [▶] Playback mode.
2. Press the ▲ / **MENU** button.
3. Select the desired option item with the ▲ / ▼ buttons, and press the **OK** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **OK** button.
5. To exit from the menu, press the ◄ button.

Fix Red Eyes

Refer to section in this manual titled “Removing Red-eye” for further details.

Delete

Refer to section in this manual titled “Erasing Images” for further details.

Copy to Card

Allows you to copy your files from the camera’s internal memory to an SD/SDHC memory card. Of course, you can only do this if you have a memory card installed and some files in internal memory.

* Cancel / Execute

Slide Show

Refer to section in this manual titled “Slideshow Display” for further details.

DPOF

Refer to section in this manual titled “DPOF Settings” for further details.

Protect

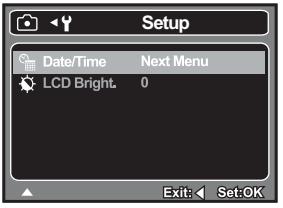
Refer to section in this manual titled “Protecting Images” for further details.

Thumbnail

Refer to section in this manual titled “Thumbnail Display” for further details.

Setup Menu

Set your camera's operating environment.



1. Press the ▲ / **MENU** button.
2. Select the [Setup] menu with the ▶ button.
3. Select the desired option item with the ▲ / ▼ buttons, and press the **OK** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the **OK** button.
5. To exit from the menu, press the ◀ button.

Format

Refer to section in this manual titled "Formatting the Memory Card or Internal Memory" for further details.

Beep

This sets whether or not to mute the camera sound each time you press the camera's buttons.

* On / Off

Language

Refer to section in this manual titled "Choosing the Language" for further details.

Auto Off

If no operation is performed for a specific period of time, the power to the camera is automatically turned off. This feature is useful for reducing battery usage.

* 1 Min. / 2 Min. / 3 Min. /Off

Sys. Reset

This returns all basic settings to the camera's default settings.
* Cancel / Execute

Light Freq.

The function allows to change the light frequency of environment to 60Hz or 50Hz.
* [60Hz]: The light frequency of environment is 60Hz.
* [50Hz]: The light frequency of environment is 50Hz.

Date/Time

This sets the date and the time. Refer to section in this manual titled "Setting the Date and Time" for further details.

LCD Bright.

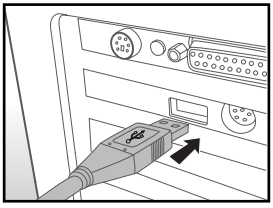
Select a brightness level for the LCD monitor. The LCD becomes brighter with the ▲ button and darker with the ▼ button. The adjustment range is from -5 to +5.

TRANSFERRING FILES TO YOUR COMPUTER

System Requirement

Windows	Macintosh
■ Pentium III 800 or equivalent ■ Windows 2000/XP/Vista ■ 256MB RAM（512MB recommended） ■ 150MB available hard disk space ■ CD-ROM drive ■ Available USB port	■ PowerPC G3/G4/G5 ■ OS 9.0 or later ■ 256MB RAM（512MB recommended） ■ 128MB available hard disk space ■ CD-ROM drive ■ Available USB port

Downloading Your Files



1. Connect one end of the USB cable to an available USB port on your computer.
2. Connect the other end of the USB cable to the USB terminal on the camera.
3. Select [PC] using the ▲ / ▼ buttons, and press the **OK** button.
4. From the Windows desktop, double click on “My Computer”.
5. Look for a new “removable disk” icon.
   - This “removable disk” is actually the memory (or memory card) in your camera. Typically, the camera will be assigned drive letter “e” or higher.
6. Double click on the removable disk and locate the DCIM folder.
7. Double click on the DCIM folder to open it to find more folders.
   - Your recorded images and video clips will be inside these folders.
8. Copy & Paste or Drag-N-Drop image and video files to a folder on your computer.

Mac users: Double-click the “untitled” or “unlabeled” disk drive icon on your desktop. iPhoto may automatically launch.

EDITING SOFTWARE INSTALLATION

MediaOne Gallery SE - makes it the easiest way to manage and share your digital life with family & friends. The intuitive thumbnail library automatically organizes, updates and sorts files for the most natural way to browse your multimedia collection.

To install software:

1. Insert the CD-ROM that came with the camera into your CD-ROM drive.
   The welcome screen appears.
2. Click the respective software name.
   Follow the on-screen instructions to complete the installation.

- For more information about the operation of the software, refer to its respective help documentation.
- For Windows 2000/XP/Vista users, please make sure to install and use the software in "Administrator" mode.
- The software is not supported on the Mac.

USING THE CAMERA AS A PC CAMERA

Your camera can act as a PC camera, which allows you to videoconference with business associates, or have a real-time conversation with friends or family. To use the camera for videoconferencing, your computer system must include the items as below:

- Microphone
- Sound card
- Speakers or headphones
- Network or Internet connection

Install the PC camera driver

The PC-camera driver included in the CD-ROM is exclusively for Windows. The PC camera function is not supported for Mac platforms.

1. Insert the enclosed CD-ROM into your CD-ROM drive.
2. Follow the on-screen instructions to complete the installation.
3. After the driver installation is completed, restart your computer.

SPECIFICATIONS

Item	Description
Image sensor	1/2.5” CMOS sensor
Effective pixels	8.0 Mega pixels
Image resolution	<Still image> 8M: 3264 x 2448, 5M: 2560 x 1920, 2M: 1600 x 1200, VGA: 640 x 480 <Video clip> VGA: 640 x 480 (24 fps), QVGA: 320 x 240 (30 fps)
Recording media	16MB internal memory (14MB available for image storage) Supports SD/SDHC memory card (up to 4GB) (optional)
File format	Image format: JPEG; video format: Motion JPEG (AVI)
Lens	F-no.: 3.2 Focus Length: 7.1 mm (equivalent to 42mm on a 35mm camera)
Focus range	Macro: 60 ~ 115 cm Normal: 115 cm ~ infinity
Shutter speed	E-shutter: 1 (s)~1/2000 (s) M-shutter: 1 (s)~1/1000 (s)
LCD monitor	2.8” LTPS LCD (230K pixels)
Self-timer	10 sec delay, 2 sec delay
Exposure compensation	-2.0EV~ +2.0EV (in 1/3EV increments)
White balance	Auto, Daylight, Cloudy, Incandescent, Fluorescent 1, Fluorescent 2
ISO	Auto (ISO 50~200)
Interface	USB connector
Power	Li-ion Batteries 650mAH
Dimensions	Approx. 89.5 x 56 x 21.5 mm (without protruding parts)
Weight	Approx. 85g (without batteries and memory card)

* Design and specifications are subject to change without notice.

APPENDIX

Possible Number of Shots

■ Possible number of shots (still image)

The table shows the approximate shots that you can capture at each setting based on the capacity of the internal memory and the SD/SDHC memory card.

Size	Quality	Internal Memory	SD/SDHC memory card capacity						
			64MB	128MB	256MB	512MB	1GB	2GB	4GB SDHC
8m 3264 x 2448	Fine	5	29	61	125	252	506	1015	2034
	Normal	7	41	85	174	350	704	1411	2826
	Economy	11	62	129	261	526	1056	2117	4239
5m 2560 x 1920	Fine	8	45	93	188	380	763	1529	3062
	Normal	10	58	119	242	489	981	1966	3938
	Economy	16	88	180	364	734	1473	2950	5908
2m 1600 x 1200	Fine	17	92	190	384	774	1552	3110	6227
	Normal	22	117	239	484	975	1955	3917	7842
	Economy	32	166	341	689	1386	2779	5566	11145
VGA 640 x 480	Fine	56	288	587	1186	2386	4784	9581	19181
	Normal	67	342	699	1411	2839	5691	11398	22819
	Economy	82	423	863	1742	3503	7024	14066	28161

■ Possible recording time / sec (video clip)

Size	Internal Memory	SD/SDHC memory card capacity						
		64MB	128MB	256MB	512MB	1GB	2GB	4GB SDHC
VGA 640 x 480	00:00:13	00:01:10	00:02:22	00:04:49	00:09:41	00:19:26	00:38:55	01:17:55
QVGA 320 x 240	00:00:24	00:01:58	00:04:02	00:08:08	00:16:21	00:32:46	01:05:38	02:11:23

- The above data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.
- The maximum recordable time for one continuous video clip is 00:59:59.

Troubleshooting

Refer to the symptoms and solutions listed below before sending the camera for repairs. If the problem persists, contact your local reseller or service center.

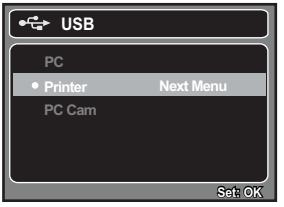
Symptom	Cause	Solutions / Corrective Actions
The power does not come on.	The batteries are not loaded.	Load the batteries correctly.
	The batteries are exhausted.	Replace with a new set of batteries.
		Please use only rechargeable batteries.
The batteries or camera feels warm.	Long period of continuous use of the camera or the flash.	
The start-up screen blinks after powering up.	The rechargable batteries have reached their effective life.	Replace with a new set of rechargable batteries.
The recorded video clips do not have sound.	This camera does not have a built-in speaker so that you can not play back sound with the camera.	
Even if I press the shutter button, the camera does not shoot.	The shutter button is not pressed all the way down.	Press the shutter button all the way down.
	The internal memory or memory card does not have any free capacity.	Insert a new memory card, or delete unwanted files.
	The flash is charging.	Wait until the status LED turns green.
	The memory card is write-protected.	Remove the write-protection.
The camera cannot focus.	The lens is dirty.	Wipe clean with a soft, dry cloth or lens paper.
	The distance to the subject is smaller than the effective range.	Get your subject within the effective focus range.
Files cannot be deleted.	The file is protected.	Cancel protection.
	The memory card is write-protected.	Remove the write-protection.
Cannot download images.	The free space on the hard disk in your computer may be insufficient.	Check whether the hard disk has a space for running Windows, and if the drive for loading image files has a capacity at least that of the memory card inserted in the camera.

Connecting to a PictBridge Compliant Printer

Read this section if the model you purchased is included with the PictBridge functions.
If a printer that supports PictBridge is available, images can be printed by connecting the digital still camera directly to the PictBridge-compatible printer without using a computer.

Connecting the camera to the printer

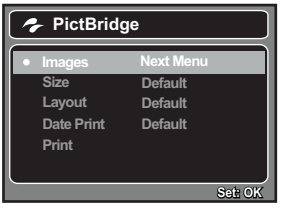
1. Connect one end of the USB cable to your camera.
2. Connect the other end of the USB cable to the USB port on the printer.
3. Select [Printer] with the ▲ / ▼ buttons, and press the **OK** button.

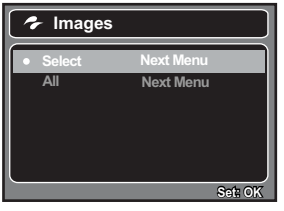


Printing images

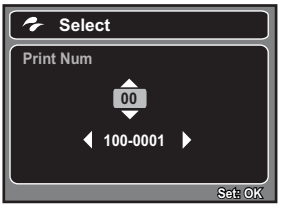
When the camera is properly connected to a PictBridge compliant printer and set to [Printer], the PictBridge menu is displayed on the monitor.

1. Select the item you want to configure with the ▲ / ▼ buttons, and press the **OK** button.
   - [Images]: Select whether you want to print specific image or all images. You may also select printing number for specific image.
   - [Size]: Select the desired paper size according to the printer type.
   - [Layout]: Select the desired printing layout according to the printer type.
   - [Date Print]:According to the printer type, select whether you want to print the image with date imprint or not.
   - [Print]: After all settings are configured, select this item to start printing.
2. If you select [Images] in the previous step, the figure shown on the right hand side will appear. Select [Select], [All] with the ▲ / ▼ buttons, and press the **OK** button.
   - [Select]: Select to print one specific image.
   - [All]: Select to print all images.

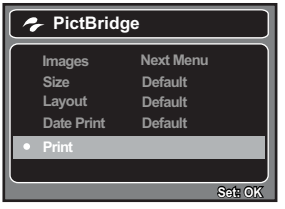




3. If you select [Select] in the previous step, the figure shown on the right hand side will appear.
   - Select the image that you want to print with the ◄ / ► buttons.
   - Select the [Print Num] (up to 99) with the ▲ / ▼ buttons.
   - After selecting the desired image and printing number, press the **OK** button to confirm.



4. Select [Print] with the ▲ / ▼ buttons, and press the **OK** button to start printing.



5. The printing starts and the figure shown on the right hand side appears.
   - The [COMPLETE] will be displayed temporarily, reminding you that the printing procedure is finished.
   - If a print error is detected, the [PRINT ERROR] will be displayed.

- The image printing may be failed if the power to the camera is cut off.

Language	WEEE explanation
English	"The mark is in compliance with the Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE)." "The mark indicates the requirement NOT to dispose the equipment including any spent or discarded batteries as unsorted municipal waste, but use the return and collection systems available"
French	"Le marquage est en conformité avec la directive 2002/96/EC du DEEE (dÈchets d'équipements électriques et électroniques)". "Ce symbole indique l'obligation de ne pas déposer ce produit dans des décharges publiques, mais d'utiliser les systèmes spécifiques de retour et récupèration disponibles".
German	"Das Symbol ist in Übereinstimmung mit der Richtlinie 2002/96/EG über Elektro- und Elektronik- Altgeräte (Elektro- und Elektronik - Altgeräte Richtlinie). " "Das Symbol weist darauf hin, dass das Gerät einschließlich ge- und verbrauchten Batterien bzw Akkus nicht in den Hausmüll gegeben werden darf, sondern den hierfür bestimmten getrennten Sammelsystemen zugeführt werden muss."
Spanish	“La marca es un requisito de la Directiva europea 2002/96/EC (WEEE) acerca de los Residuos de Aparatos Eléctricos y Electrónicos. “ “Esta marca indica la obligación de no mezclar dichos aparatos con los residuos domésticos generales, sino que deben utilizarse los sistemas de recogida específicos, disponibles para estos productos.”
Italian	" Il simbolo è in accordo con la Direttiva 2002/96 EC sui **R**ifiuti **A**pparecchiature **E**lettriche ed **E**lettroniche (**RAEE**)". "Il simbolo indica l' obbligo della raccolta separata delle apparecchiature elettriche ed elettroniche, pertanto si raccomanda d'utilizzare i sistemi di raccolta e/o restituzione disponibili nella vostra zona per queste tipologie d'apparecchiature".
Swedish	“Märket anger överensstämmelse med "Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE).” “Märket anger kravet på att använda tillgängliga retur- och insamlingssystem och att EJ avyttra utrustningen som osorterat kommunalt avfall.”
Norwegian	“Symbolet er i samsvar med "Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE)". “Symbolet angir kravet på å anvende tilgjengelige retur og gjenvinningssystem, og ikke benytte vanlige usorterte kommunale avfallsordninger.”
Dutch	Het symbool is in overeenstemming met de EU-Richtlijn betreffende afgedankte elektrische en elektronische apparatuur (AEEA) 2002/96/EC. Het symbool geeft aan dat de apparatuur NIET mag worden gestort als ongesorteerd stedelijk huisvuil, maar moet worden ingezameld via de voorziene terugname- en inzamelingssystemen.
Greek	“Το σύμβολο είναι σύμφωνο με την Οδηγία της Ευρωπαϊκής Ένωσης 2002/96/EC περί Απόρριψης Ηλεκτρικών και Ηλεκτρονικών Συσκευών (WEEE)”. “ Το σύμβολο αυτό υποδεικνύει την υποχρέωση να MHN απορρίπτετε την συσκευή στους κάδους των οικιακών απορριμμάτων, αλλά να χρησιμοποιείτε το σύστημα επιστροφής και περισυλλογής (ανακύκλωσης) απορριμμάτων”.

HDC-881E Warranty

HITACHI

Hitachi Europe Ltd.

This product is exclusively available through Argos and in the unlikely event of a problem please return the faulty item together with proof of purchase to Argos for repair /replacement.

For further information including obtaining spare parts please contact the Hitachi Digital Camera helpline on:
+44 (0) 870 446 0806
or mail to Technical@premiercamera.co.uk.

www.hitachi-eu.com

9JE39-4002-00